

Tornadoes, Apr. 15, 1921, Arkansas and Texas.

Place.	Time (p. m.).	Direction of movement.	Width of destructive path.	Clouds.	Winds.	Direction trees lay on—			Killed.	Injured.	Damage estimated.	Remarks.	Information furnished by—
						N. side.	Center.	S. side.					
Mineola, Wood County, Tex.	12:45	SW-NE...	100 feet....	Funnel shaped.	Rotary...	.....	.....	.....	.....	1	.....	2 houses destroyed, 6 houses damaged.	Postmaster, Mineola, Tex.
Avinger, Cass County, Tex.	2:50	From 37½° west of S towards 37½° east of N.	400 to 600 yards.	do.....	do.....	S.....	Twisted mass.	N.....	8	44	.....	22 landowners, 16 tenants suffered loss.	Mrs. J. L. Stephenson, secretary Avinger storm-relief committee.
Bowie County, Tex.....	3:30	SW-NE...	½ mile.....	do.....	do.....	SE.....	Generally NW.	NE.....	2	.....	.....	.....	Henry Humphrey, Four State Press, Texarkana, Ark.
Strip 25 miles in length through Miller County, Ark.	4:30	SW-NE...	½ mile.....	.....	Rotary, regular twister.	SE.....	NE.....	NW.....	16	50	\$150,000	Damage estimate does not include crop damage.	F. F. Quinn, secretary Red Cross Committee, Texarkana, Ark.
Strip through Hempstead County, about 40 miles.	5:00	SW-NE...	½ to 1½ miles.	.....	.....	NE.....	NE.....	NE.....	100	.....	1,000,000	Most destructive have ever seen results from.	N. P. O'Neal, Hope, Ark.
2½ to 3 miles southeast of Washington, Hempstead County.	5:00	SW-NE...	do.....	.....	.....	(*)	(*)	(*)	7	30	30,000	Everything in path destroyed.	Rosa Wallace, postmistress, Washington, Ark.
11 miles southeast of Columbus, Hempstead County, Ark.	5:00	SW-NE...	½ mile.....	.....	.....	SE.....	All directions.	NW.....	.....	.....	.....	Heavy hail 3 to 4 miles on west side; light hail at Columbus; barometer at Columbus fell 0.10.	R. C. Stuart, Columbus, Ark.
1½ miles east of Blevins, Hempstead County.	5:20	SW-NE...	½ to 1½ miles.	Funnel shaped.	Rotary...	SE.....	do.....	NW.....	9	34	\$200,000	57 residences destroyed, 75 residences damaged, 41 barns destroyed.	W. O. Beene, Blevins, Ark.
Mount Pisgah, Pike County.	.....	S-NE.....	½ mile.....	.....	.....	(*)	(*)	(*)	1	24	50,000	.....	H. W. Guise, postmaster, Delight, Ark.
Pike City, Pike County	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	H. M. Lintz, Pike, Ark.
Gravelly, Yell County..	3:30	SW-NE...	125 yards.	.....	.....	S-SW.	NE.....	NE.....	1	15	50,000	.....	Thos. B. Frizzell, postmaster, Gravelly, Ark.
Danville, Yell County	4:20	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	Newspaper reporter. Do.
Chickish Mountain, Yell County.	5:00	SW-NE...	200 yards.	.....	Straight blow.	(*)	(*)	(*)	4	6	.....	Considerable damage.	J. A. Jones.
1½ miles northwest of Appleton, Pope County.	8:18	SW-NE...	.....	.....	.....	.....	.....	.....	.....	5	.....	7 homes destroyed, stock killed.	Max Malschowski.
Marche, Pulaski County.	8:45	SW-NE...	300 feet....	Funnel shaped.	Rotary...	.....	.....	.....	.....	.....	2,500	Buildings damaged.	J. C. Cook.

¹ About.² Every direction.³ \$25,000 crops.⁴ All directions.⁵ No storm; clouds black, heavy rain; leaves, etc., scattered through vicinity.⁶ Storm passed over too high to do damage.

LOCAL STORMS IN MISSISSIPPI.

By R. T. LINDLEY, Meteorologist.

[Weather Bureau, Vicksburg, Miss., June 6, 1921.]

Violent local storms traversed portions of seven counties of Mississippi during the night of April 15-16 or on April 16. On account of the storms occurring during the night, mostly, funnel-shaped clouds, characteristic of the tornado, were not observable, although the destruction wrought, the accompanying sounds, and the directions in which debris were scattered gives basis for the belief that some, if not all, the storms may have been true tornadoes.

One, on the night of the 15th-16th, passed over a portion of the course laid waste by the tornado of March 16, 1919, from near Grace, Issaquena County, to the vicinity of Pantherburn, in Sharkey County, with heavy resultant damage, but, fortunately, without loss of human life. One person was killed and 10 were injured in portions of Noxubee and Lowndes Counties during the early morning of the 16th, and considerable damage was done, at about the same time, without loss of human life, near Hazlehurst, Copiah County. On April 16, 1 person was killed and 15 were injured by a violent local storm, characterized by observers as a tornado, in the southwestern portion of Kemper County, in the vicinity of Rio. Also, at about the same time, extensive prop-

erty damage resulted, with injuries to 10 persons, from the occurrence of a local storm in the vicinity of the New Zion settlement, in the eastern portion of Amite County.

Three local storms, doing considerable damage, occurred on the afternoon of April 26. Two, affecting portions of Copiah and Lincoln Counties, were of relatively slight importance, but the third practically demolished Braxton, a town of about 300 population, in Simpson County, leaving but two buildings standing, causing the death of 15 persons and serious injuries to 23. From all accounts this storm was of true tornado type.

551.515 (761)

THE TORNADOES OF APRIL 16, 1921, IN ALABAMA.¹

By P. H. SMYTH, Meteorologist, and J. W. SMITH, Observer.

WEATHER CONDITIONS AT 7 A. M.

A disturbance of considerable intensity centered in the middle Mississippi Valley, with a comparatively wide trough of low pressure extending southward to the Gulf of Mexico. A marked temperature gradient existed between Cairo, Ill., and Columbia, Mo., and freezing ex-

¹ Full details of these storm have been compiled and are on file at the offices of the U. S. Weather Bureau, Washington, D. C., and Montgomery, Ala.